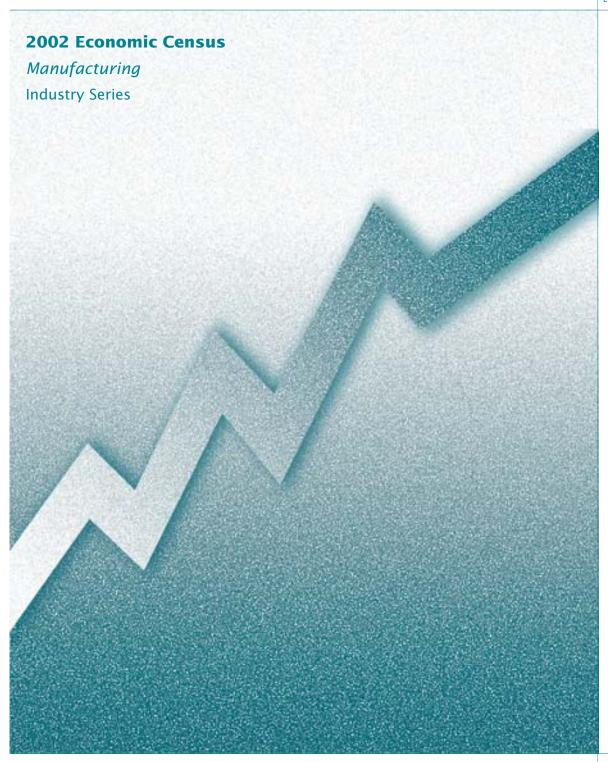
# Storage Battery Manufacturing: 2002

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U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU



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-- Not applicable for this report.

# Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

		All	All em	ployees	Pro	duction wor	kers		Total	Total	Total capital
Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	estab- lish- ments <sup>3</sup>	Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	shipments	expendi- tures (\$1,000)
335911, Storage battery manufacturing 2002 2001 2001 1999 1998 1997	97 N N N 96	130 N N N N 138	17 132 20 387 22 583 23 029 21 900 23 318	642 934 737 862 813 254 817 510 751 880 790 839	12 984 15 662 18 274 18 511 17 767 18 719	27 304 30 843 38 027 38 635 36 676 37 507	427 636 502 521 577 131 581 418 562 144 587 577	1 471 141 1 747 519 2 345 066 2 504 686 2 039 932 2 169 833	1 930 543 2 271 706 2 563 195 2 399 262 2 222 101 2 245 395	3 415 412 4 114 401 4 890 670 4 904 082 4 252 466 4 435 329	105 914 118 746 237 896 192 318 121 576 171 670

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

# Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

		All establi	shments <sup>2</sup>	All em	ployees	Pro	oduction work	kers				
Industry and geographic area		Total	With 20 em- ploy- ees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
335911, Storage battery manufacturing												
United States. California Illinois Indiana Ohio	1 - -	130 20 10 3 5	81 12 4 3 3	17 132 1 591 632 382 784	642 934 60 108 21 743 15 388 28 356	12 984 1 344 486 301 622	27 304 2 994 955 654 1 425	427 636 46 390 14 323 9 627 21 600	1 471 141 177 619 71 704 53 543 67 710	1 930 543 214 915 89 193 35 902 108 767	3 415 412 397 961 163 519 88 563 176 866	105 914 6 949 5 095 2 012 5 211

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.
³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

# Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
335911, Storage battery manufacturing	
Companies <sup>1</sup> number	97
All establishments <sup>2</sup> number.  Establishments with 1 to 19 employeesnumber.  Establishments with 20 to 99 employeesnumber.  Establishments with 100 employees or morenumber.	130 49 35 46
All employees3       number         Total compensation       \$1,000         Annual payroll       \$1,000         Total fringe benefits       \$1,000	17 132 859 535 642 934 216 601
Production workers, average for year	12 984 13 047 13 021 12 937 12 906
Production worker hours	27 304 427 636
Total cost of materials         \$1,000           Materials, parts, containers, packaging, etc., used         \$1,000           Resales         \$1,000           Purchased fuels         \$1,000           Purchased electricity         \$1,000           Contract work         \$1,000	1 930 543 1 760 905 59 746 20 309 76 860 12 723
Quantity of electricity purchased for heat and power	1 571 795 -
Total value of shipments         \$1,000.           Primary products value of shipments         \$1,000.           Secondary products value of shipments         \$1,000.           Total miscellaneous receipts         \$1,000.           Value of resales         \$1,000.           Contract receipts         \$1,000.           Other miscellaneous receipts         \$1,000.	3 415 412 3 250 405 86 679 78 328 72 486 D D
Primary products specialization ratio percent.  Value of primary products shipments made in all industries \$1,000.  Value of primary products shipments made in this industry \$1,000.  Value of primary products shipments made in other industries \$1,000.	97 3 285 546 3 250 405 35 141
Coverage ratiopercent	99
Value added	1 471 141
Total inventories, beginning of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	367 307 158 155 105 315 103 837
Total inventories, end of year         \$1,000.           Finished goods inventories         \$1,000.           Work-in-process inventories         \$1,000.           Materials and supplies inventories         \$1,000.	344 885 143 422 106 320 95 143
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000.  Total capital expenditures (new and used) \$1,000.  Buildings and other structures (new and used) \$1,000.  Machinery and equipment (new and used) \$1,000.  Automobiles, trucks, etc., for highway use \$1,000.  Computers and peripheral data processing equipment \$1,000.  All other expenditures for machinery and equipment \$1,000.  Total retirements \$1,000.  Gross value of depreciable assets at end of year \$1,000.	1 400 305 105 914 18 973 86 941 2 550 4 492 79 899 51 583 1 454 636
Depreciation charges during year\$1,000.	92 859
Total rental payments \$1,000 .  Buildings and other structures \$1,000 .  Machinery and equipment \$1,000 .	22 223 11 982 10 241
Total other expenses <sup>4</sup> . \$1,000 .  Response coverage ratio <sup>5</sup> . percent .  Repair and maintenance services of buildings and/or machinery <sup>4</sup> . \$1,000 .  Communications services <sup>4</sup> . \$1,000 .  Legal services <sup>4</sup> . \$1,000 .  Accounting, auditing, and bookkeeping services <sup>4</sup> . \$1,000 .  Advertising and promotional services <sup>4</sup> . \$1,000 .  Expensed computer hardware and supplies and purchased computer services <sup>4</sup> . \$1,000 .  Refuse removal (including hazardous waste) services <sup>4</sup> . \$1,000 .  Management consulting and administrative services <sup>4</sup> . \$1,000 .  Taxes and license fees <sup>4</sup> . \$1,000 .  All other expenses <sup>4</sup> . \$1,000 .	340 507 71 75 848 3 622 1 893 1 1075 8 109 3 934 3 824 8 277 9 289 224 638

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

# Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

			All emp	oloyees	Pr	oduction worke	rs		Total	Total	Total capital
Employment size class		All estab- lish- ments <sup>2</sup>	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
335911, Storage battery manufacturing											
All establishments	-	130	17 132	642 934	12 984	27 304	427 636	1 471 141	1 930 543	3 415 412	105 914
1 to 4 employees. 5 to 9 employees. 10 to 19 employees 20 to 49 employees 100 to 249 employees 250 to 499 employees 250 to 499 employees 500 to 999 employees	9 7 5 2 - 1 -	27 13 9 21 14 23 20 2	67 85 138 683 990 3 511 i	2 411 3 358 4 959 24 813 38 525 127 332 D	55 68 103 468 609 2 722 D	150 142 216 1 154 1 118 5 785 D	1 996 2 318 3 800 12 319 15 106 86 689 D	6 263 8 645 12 995 57 437 86 282 373 554 D	6 850 9 329 20 084 70 327 73 347 398 523 D	12 944 18 064 33 394 126 531 152 203 774 629 D	555 690 1 460 5 809 11 672 21 870 D
1,000 to 2,499 employees	_	_ 1	h h	_ D	_ D	_ D	_ D	_ D	_ D	_ D	_ D
Administrative records <sup>4</sup>	9	40	204	7 485	178	373	6 205	19 620	21 749	41 110	1 916

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent; or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

# Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or		All	All em	ployees	Pr	oduction work	ers		Total	Total	Total capital
product class code	Industry or primary product class	estab- lish- ments <sup>1</sup>	Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
335911	Storage battery manufacturing	130	17 132	642 934	12 984	27 304	427 636	1 471 141	1 930 543	3 415 412	105 914
3359111	Storage batteries, lead acid type, BCI dimensional size group 8D (1.5										
3359114	cu ft (.042 cu m) and smaller) Storage batteries, lead acid type, larger than BCI dimensional size	34	11 282	419 774	8 813	18 751	296 996	867 860	1 424 792	2 319 274	62 706
3359117	group 8D (1.5 cu ft (.042 cu m)) Storage batteries (except lead acid),	25	3 743	143 294	2 877	6 038	94 072	431 094	314 436	740 473	26 755
	including parts for all storage batteries	18	1 383	46 748	843	1 618	20 776	121 109	141 228	260 360	6 838

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

<sup>&</sup>lt;sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

#### **Products Statistics: 2002 and 1997** Table 6a.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product		Number of companies with		Product	shipments
code	Product	shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)
335911	Storage battery manufacturing	N N	X	X	3 285 546 4 290 400
3359111	Storage batteries, lead acid type, BCI dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller)	N N	×	X X	2 087 453 2 857 009
33591111	Starting, lighting, and ignition (SLI) type lead acid storage batteries for original equipment, BCI dimensional size group 8D (1.5 cu tf. (042 cu m) and smaller)	N	×	×	2 837 009 D
3359111101	Starting, lighting, and ignition (SLI) type lead acid storage batteries for original equipment, BCI dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller)	N 13	X	Х	D D
33591112	Starting, lighting, and ignition (SLI) type lead acid storage batteries for replacement, BCI dimensional size group 8D	15	Х	X	D
3359111204	(1.5 cu ft (.042 cu m) and smaller)	N N	X	X	1 185 788 1 918 990
33591113	(1.5 cu ft (.042 cu m) and smaller)	13 18	×	X	1 185 788 1 918 990
	dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller)	N N	X X	X X	D D
3359111307	Lead acid storage batteries other than (SLI) type, BCI dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller)	4	X	D	D
3359111Y	Storage batteries, lead acid type, BCl dimensional size group  8D (1.5 cu ft (.042 cu m) and smaller), nsk	5 N	X X	X X	D -
3359111YWV	Storage batteries, lead acid type, BCI dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller), nsk	N N	X X	X X	19 082
3359114	1997 Storage batteries, lead acid type, larger than BCI dimensional	N	X	X	19 082
33591141	size group 8D (1.5 cu ft (.042 cu m))	N N	X	X	863 022 946 840
3359114101	dimensional size group 8D (1.5 cu ft (.042 cu m)), including mining and industrial locomotive	N N	X	X	365 589 407 401
0000114101	trucks, larger than BCI dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller)	8 11	X	X	307 846 363 447
3359114104	All other motive power type lead acid storage batteries, including mining and industrial locomotive, larger than BCI dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller)	6	x	X	57 743
33591142	All other lead acid storage batteries, larger than BCI dimensional size group 8D (1.6 cu ft (.042 cu m))	7 N	X X	X X	43 954 497 433
3359114201	Communication lead acid storage batteries (central office telephone supervisory equipment, telemetering, and microwave), larger than BCI dimensional size group 8D	N	X	X	536 283
3359114204	(1.5 cu ft (.042 cu m) and smaller)	8 7	X	X	208 886 183 005
	larger than BČI dimensional size group 8Ď (1.5 cu ft (.042 cu m) and smaller)	9	X X	X	211 251 257 587
3359114207	All other lead acid storage batteries, larger than BCI dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller), including starting, lighting, and ignition (SLI type)	9	X	X	77 296
3359114Y	Storage batteries, lead acid type, larger than BCI dimensional size group 8D (1.5 cu ft (.042 cu m)), nsk	9 N	x x	x x	95 691
3359114YWV	1997 Storage batteries, lead acid type, larger than BCI	N N	Х	Х	3 156
3359117	dimensional size group 8D (1.5 cu ft (.042 cu m)), nsk	N	X	X	3 156
	storage batteries	N N	X X	X X	262 829 384 917
33591171	Storage batteries (except lead acid), including parts for all storage batteries	N N	X X	X	251 378 D
3359117101 3359117104	Nickel cadmium storage batteries (sealed or vented)	14 11 10	X X X	X X X X X	125 852 D
3359117104	Parts for all storage batteries, excluding cases and	5	Х		125 526 D
3359117201	containers	N N	X	X	11 451 D
3359117Y	containers	5 4	X	X	11 451 D
3359117YWV	storage batteries, nsk	N N	X	X	5 572
	storage batteries, nsk	N N	X	X	5 572
335911W	Storage battery manufacturing, nsk, total	N N	X	X X	72 242 101 634

See footnotes at end of table.

#### Table 6a. Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

		Number of companies with		Product shipments		
Product code	Product	shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
335911 335911W	Storage battery manufacturing—Con. Storage battery manufacturing, nsk, total—Con.					
335911WY	Storage battery manufacturing, nsk, total	N	X	X	72 242	
335911WYWW	1997 Storage battery manufacturing, nsk, for nonadministrative-	N	Х	X	101 634	
000011001000	record establishments 2002.	N	X	l x	34 401	
	1997	N	X	X	71 502	
335911WYWY	Storage battery manufacturing, nsk, for administrative- record establishments	N N	X X	X	37 841 30 132	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

# Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3359111	Storage batteries, lead acid type, BCI dimensional size group 8D (1.5 cu ft (.042 cu m) and smaller)  United States	2 087 453 2 857 009 282 513
3359114	Storage batteries, lead acid type, larger than BCI dimensional size group 8D (1.5 cu ft (.042 cu m))  United States	322 325 863 022 946 840 63 333 20 473
3359117	Storage batteries (except lead acid), including parts for all storage batteries  United States.  California  2002. 1997. 2002. 1997.	262 829 384 917 30 255 N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

# Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
335911	Storage battery manufacturing		
00900001	Total materials	X	1 760 905
332000AC	1997    Metal stampings	X X X	2 077 507 5 506 10 168
33200073	All other fabricated metal products (excluding forgings, cstings, and metal stampings)	x x	33 123 61 438
33210000	Forgings	X N	D N
33100035	Castings, rough and semifinished	X	2 005 N
33141951	Refined unalloyed lead shapes and forms (excluding castings, forgings, and fabricated metal		070 070
	products)	X X	370 678 434 281
33141953	Antimonial lead	x	272 841
33141955	1997 Lead-calcium alloyed	X X	276 636 147 365
	1997	X	198 170
33120016	Steel sheet and strip (including tinplate)	X N	D N
33120030	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products)	X N	2 674
33149104	Zinc and zinc-base alloy shapes and forms (excluding castings, forgings, and fabricated metal		IN .
	products)	X N	D N
32513105	Litharge	X X	24 594 58 730
32518802	Sulfuric acid, new and spent (100 percent H2SO4)	X	29 092
325000B3	Other industrial inorganic chemicals (including mercury oxide and silver oxide)	N X	N 14 761
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	X X	49 617 17 245
02021100	1997.	â	D D
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X X	74 278 71 993
32610011	Fabricated plastics products (excluding gaskets)	X	218 296
32221001	Paperboard containers, boxes, and corrugated paperboard	X	260 684 38 193
	1997	Х	D
33599101	Carbon and graphite electrodes, and other carbon and graphite products for electrical use	X	D
331000AA	1997   Metal powders	X	462 45 029
00970099	All other materials and components, parts, containers, and supplies	N X	N 304 426
00971000	Materials, ingredients, containers, and supplies, nsk	X	456 123 143 858
	1997	X	130 650

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.